

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-3 (canceled).

Claim 4 (Currently Amended): A monitoring system for leak prevention and leak detection in a pipe line constituting a first pipe through which a liquid passes positioned and contained within a second pipe having an inside diameter greater than an outside diameter of the first pipe to provide an annular through passage surrounding the first pipe, the system comprising:

a fitting connecting the first pipe to a liquid source;

said fitting having a through passage in liquid connection with said first pipe;

said fitting having a first port and a second port connected to said annular through passage via an annular passage surrounding said through passage of said fitting;

said first port being connected to means for detecting liquid leakage from said first pipe to said annular through passage surrounding said first pipe **with said means for detecting liquid leakage including means for monitoring vacuum within said annular through passage and producing a signal indicating liquid leakage upon any vacuum reduction;** and

said second port being adapted for removal of liquid leakage from said annular through passage.